

## INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/US2008/071090****A. CLASSIFICATION OF SUBJECT MATTER***C12M 1/40(2006.01)i, C12Q 1/58(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 8: C12M 1/40, C12N 15/09, C12Q 1/00, C12Q 1/58, C12Q 1/68, G01N 33/567, G01N 33/574

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
eKIPASS(KIPO internal), USPTO, ScienceDirect (gastrointestinal, polyp, diagnostic, biomarker, control, and similar terms)**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 20050014165 A1 (California Pacific Medical Center) 20 January 2005 See Abstract; Claims 1, 29, 65, 79-81.	46, 47
A	US 6423491 B1 (Howe, J.R.) 23 July 2002 See Abstract; Claims 1, 10, 30.	46, 47
A	JP 2005080524 A (Hidetoshi, K. et al.) 31 March 2005 See Abstract; Claims 1-3, 7-10, 29-38.	46, 47

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

02 DECEMBER 2008 (02.12.2008)

Date of mailing of the international search report

**02 DECEMBER 2008 (02.12.2008)**

Name and mailing address of the ISA/KR

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**INTERNATIONAL SEARCH REPORT**

International application No.

**PCT/US2008/071090****Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 1-44  
because they relate to subject matter not required to be searched by this Authority, namely:  
  
Claims 1-44 pertain to diagnostic methods, and thus relate to a subject matter which this International Searching Authority is not required, under Article 17(2)(a)(i) of the PCT and Rule 39.1(iv) of the Regulations under the PCT, to search.
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☒ Claims Nos.: 19, 22, 45  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2008/071090**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2005014165 A1	20.01.2005	AU 2004259431 A1 CA 2534633 A1 EP 1654526 A2 JP 2007512801A KR 1020060034712 A WO 2005010486 A2	03.02.2005 03.02.2005 10.05.2006 24.05.2007 24.04.2006 03.02.2005
US 6423491 B1	23.07.2002	None	
JP 2005080524 A	31.03.2005	None	